

VISCOPLEX® 6-954

A Shear-Stable Dispersant Viscosity Index Improver

Function

VISCOPLEX® 6-954 is a multifunctional dispersant viscosity index improver.

Performance

VISCOPLEX® 6-954 is used in both gasoline and diesel engine oils. VISCOPLEX® 6-954 is particularly useful in the formulation of engine oils, where it provides a combination of high- and low-temperature viscometric properties that are unsurpassed by any competitive VI improver chemistry. VISCOPLEX® 6-954 VI improver also makes a substantial contribution to the control of sludge and varnish deposits, particularly those normally encountered in severe stop-and-go consumer, taxi or police fleet service.

Composition

VISCOPLEX® 6-954 is a solution of dispersant polyalkyl methacrylate (PAMA) in highly refined mineral oil.

Physical Data

Table 1 lists representative physical properties. (These do not constitute specifications.)

Blending Efficiency

The contribution to the kinematic viscosity at 100°C of VISCOPLEX® 6-954 in straight mineral base oils is shown in Table 2.

VISCOPLEX® Series 6 Engine Oil Viscosity Index Improvers

Table 1 Typical Physical Properties of VISCOPLEX® 6-954

Visual Appearance	Clear to slightly hazy, pale yellow to amber viscous fluid
Color (ASTM D1500)	3
Viscosity at 100°C, mm ² /s (ASTM D445)	1,250
Density at 15°C, g/cm ³ (ASTM D4052)	0.90
Flash Point, °C (ASTM D3278)	170
Shear Stability Index (PSSI) (ASTM D6278)	45

Table 2 Thickening Effect of VISCOPLEX® 6-954 at 100°C

	100 N	150 N	200 N	350 N
VISCOPLEX® 6-954, % wt	0 5 10	0 5 10	0 5 10	0 5 10
Viscosity at 100°C, mm ² /s	4.0 7.3 12.0	5.1 9.2 14.9	6.2 10.9 17.6	8.9 15.0 23.4

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Density

The typical density of VISCOPLEX® 6-954, as a function of temperature, is given in Figure 1.

Bulk Viscosity

The typical bulk viscosity of VISCOPLEX® 6-954, as a function of temperature, is given in Figure 2.

Additional Information

For additional information on product availability, performance data and Material Safety Data Sheets, please contact your RohMax account manager or Customer Service Representative.

For an overview of our entire VISCOPLEX® and VISCOBASE® product range and complete information on handling and storage, please visit the Products & Applications section on our website www.rohmax.com.

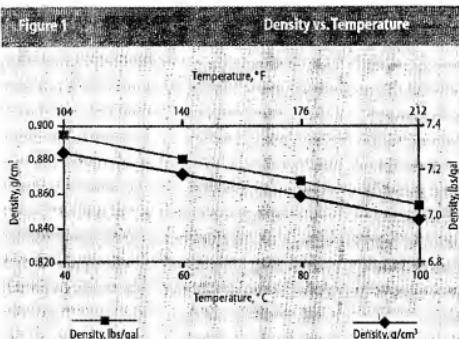
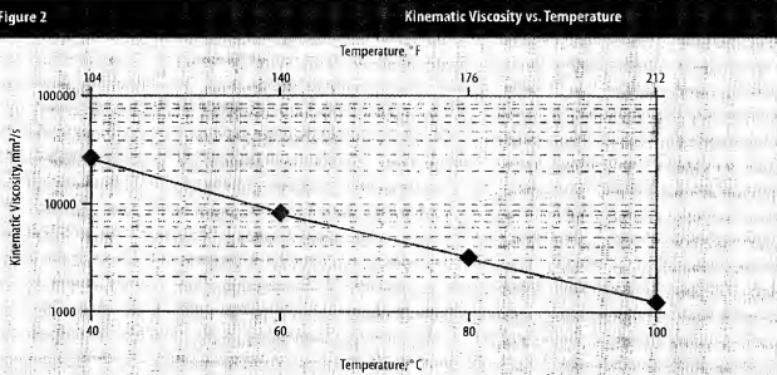


Figure 2



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